



Serial No.: 10/027,603

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ferrara et al.	Examiner:	Huynh, Phuong N.
Serial No.:	10/027,603	Group Art Unit:	1644
Filed:	December 19, 2001	Docket No.:	11669.0139USII
Conf. No.:	4344	Customer No.	23552

Title: EG-VEGF NUCLEIC ACIDS AND POLYPEPTIDES AND METHODS OF USE

CERTIFICATE UNDER 37 CFR 1.10:

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I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop RCE, Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450.

By:

Name: *Lynnda Kraft*

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114 or a CPA under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

A copy of any foreign patent document or "Other Document" listed on the Form 1449 is enclosed, in accordance with 37 C.F.R. § 1.98(a)(2). Because this application was filed after June 30, 2003, copies of the U.S. Patents and U.S. patent publications listed on the enclosed Form 1449 are not provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to

establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.
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Minneapolis, Minnesota 55402-0903

Date: 14 March 2004

Denise M. Kettelberger

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FORM 1449*

INFORMATION DISCLOSURE STATEMENT

Docket Number:

11669.139US11

Application Number:

10/027,603

IN AN APPLICATION

(Use several sheets if necessary)

Applicant: FERRARA ET AL.

Filing Date: 12/19/2001

Group Art Unit: 1644



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	09/997,601	11/15/01				

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Aird, W.C. et al., 1997, <i>J. Cell Biol.</i> 138:1117-1124 "Vascular bed-specific expression of an endothelial cell gene is programmed by the tissue microenvironment"
	Aravind, L. and Koonin, E.V., 1998, <i>Curr. Biol.</i> 8:477-478 "A colipase fold in the carboxy-terminal domain of the Wnt antagonists- the Dickkopfs"
	Arbiser, J.L. et al., 1997, <i>Proc. Natl. Acad. Sci. USA</i> , 94:861-866 "Oncogenic H-ras stimulates tumor angiogenesis by two distinct pathways"
	Basset, D.L., 1943, <i>Am. J. Anat.</i> , 73:251-278 "The changes in the vascular pattern of the ovary of the albino rat during the estrous cycle"
	Boisbouvier, J. et al., 1998, <i>J. Mol. Biol.</i> 283: 205-219 "A structural homologue of colipase in black mamba venom revealed by NMR floating disulphide bridge analysis"
	Carmeliet, P., 2000, <i>Nature Medicine</i> , 6:389-395 "Mechanisms of angiogenesis and arteriogenesis"
	Collin, O. & Bergh A., 1996, <i>Int. J. Androl.</i> , 19:221-228 "Leydig cells secrete factors which increase vascular permeability and endothelial cell proliferation"
	Dellian, M. et al., 1996, <i>Am. J. Pathology</i> , 149:59-71 "Quantitation and physiological characterization of angiogenic vessels in mice: effect of basic fibroblast growth factor, vascular endothelial growth factor/vascular permeability factor, and host microenvironment"
	Esser, S. et al., 1998, <i>J. Cell. Biol.</i> , 140:947-959 "Vascular endothelial growth factor induces endothelial fenestrations in vitro" (1998)
	Ferrara, N. & Alitalo, 1999, <i>Nature Medicine</i> , 5:1359-1364 "K. Clinical applications of angiogenic growth factors and their inhibitors"
	Ferrara, N. et al., 1998, <i>Nature Medicine</i> , 4:336-340 "Vascular endothelial growth factor is essential for corpus luteum angiogenesis"

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 11669.139US11	Application Number: 10/027,603
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	Filing Date: 12/19/2001	Group Art Unit: 1644



		Ferrara, N., 2000, <i>Curr. Opin. Biotech</i> 11: 617-624 "VEGF: an update on biological and therapeutic aspects"
		Fraser et al., 2000, <i>Endocrinology</i> , 141(3):995-1000 "Suppression of Luteal Angiogenesis in the Primate after Neutralization of Vascular Endothelial Growth Factor"
		Gille, H. et al., 2001, <i>J. Biol. Chem.</i> , 276:3222-3230 "Analysis of biological effects and signaling properties of Flt-1 (VEGFR-1) and KDR (VEGFR-2). A reassessment using novel receptor-specific vascular endothelial growth factor mutants"
		Glinka, A. et al., 1998, <i>Nature</i> , 391:357-362 "Dickkopf-1 is a member of a new family of secreted proteins and functions in head induction"
		Goldzihir, J.W. & Green, J.A., 1962, <i>J. Clin. Endocrinol. Metab.</i> 22:325-332 "The polycystic ovary. I. Clinical and histologic features"
		Gospodarowicz et al., 1984, <i>J. Cell. Biol.</i> , 99:947-961 "Comparison of the Ability of Basement Membranes Produced by Corneal Endothelial and Mouse-derived Endodermal PF-HR-9 Cells to Support the Proliferation and Differentiation of Bovine Kidney Tubule Epithelial Cells in Vitro"
		Joubert, F.J. & Strydom, D.J., 1980, <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 361:1787-1794 "Snake venom. The amino acid sequence of protein A from <i>Dendroaspis polylepsis polytepis</i> (black mamba) veno"
		Klagsburn, M., 1992, <i>Semin. Cancer Biol.</i> , 3:81-87 "Mediators of angiogenesis: the biological significance of basic fibroblast growth factor (bFGF)-heparin and heparan sulfate interactions"
		Krupnik, V.E. et al., 1999, <i>Gene</i> , 238:301-313 "Functional and structural diversity of the human Dickkopf gene family"
		Leung et al., 1989, <i>Science</i> , 246:1306-1309 "Vascular endothelial growth factor is a secreted angiogenic mitogen"
		Lind et al., 1995, <i>APMIS</i> , 103:140-146 "Chemotaxis of human osteoblasts"
		Melton, D. A. et al., 1984, <i>Nucleic Acids Res.</i> , 12:7035-7056 "Efficient in vitro synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter"
		Mesiano et al., 1993, <i>J. Clin. Endocrinol. Metab.</i> 76:968-976 "Mitogenic Action, Regulation, and Localization of Insulin-Like Growth Factors in the Human Fetal Adrenal Gland"
		Mueller et al., 1995, <i>Eur. J. Immunol.</i> , 25:1744-1746 "Cloning of ATAC, an activation-induced chemokine-related molecule exclusively expressed in CD7+ T lymphocytes"
		Palade, G.E. et al., 1979, <i>Acta Physiol. Scand. Suppl.</i> , 463:11-32 "Structural aspects of the permeability of the microvascular endothelium"

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	Petterson, A. et al., 2000, <i>Lab. Invest.</i> 80:99-115 "Heterogeneity of the angiogenic response induced in different normal tissues by vascular permeability factor/vascular endothelial growth factor"
	Phillips, H.S. et al., 1990, <i>Science</i> 250:290-294 "Widespread expression of BDNF but not NT3 by target areas of basal forebrain cholinergic neurons"
	Phillips et al., 1990, <i>Endocrinology</i> , 127:965-967 "Vascular endothelial growth factor is expressed in rat corpus luteum"
	Ravindranath et al., 1992, <i>Endocrinology</i> , 131(1):254-260 "Vascular Endothelial Growth Factor Messenger Ribonucleic Acid Expression in the Primate Ovary"
	Roberts and Palade, 1997, <i>Cancer Res.</i> , 57:765-772 "Host Microvasculature Influence on Tumor Vascular Morphology and Endothelial Gene Expression"
	Ryan A.M. et al., 1999, <i>Toxicol. Pathol.</i> 27:78-86 "Preclinical safety evaluation of rhuMABVEGF, an Antiangiogenic humanized monoclonal antibody"
	Schweitz et al., 1999, <i>FEBS Lett.</i> 461:183-188 "MIT(1), a black mamba toxin with a new and highly potent activity on intestinal contraction"
	Semenza, G.L., 2000, <i>J. Appl. Physiol.</i> 88:1474-1480 "HIF-1: mediator of physiological and pathophysiological response to hypoxia"
	Simionescu, N. & Simionescu, M., 1988, ed. Weiss, L., Urban & Schwarzenberg, Baltimore 355-398 "The Cardiovascular System"
	Soker et al., 1998, <i>Cell</i> 92:735-745 "Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-specific receptor for vascular endothelial growth factor"
	Stewart and Wiley, 1981, <i>Dev. Biol.</i> 84:183-192 "Developing Nervous Tissue Induces Formation of Blood-Brain Barrier Characteristics in invading Endothelial Cells: A Study Using Quail-Chick Transplantation Chimeras"
	Taub et al., 1995, <i>J. Clin. Invest.</i> 95:1370-1376 "T Lymphocyte Recruitment by Interleukin-8 (IL-8)"
	Van Tilbeurgh et al., 1992, <i>Nature</i> , 359:159-162 "Structure of the pancreatic lipase-procolipase complex"
	Wechselberger, C. et al., 1999, <i>FEBS Lett.</i> 462:177-181 "The mammalian homologues of frog Bv8 are mainly expressed in spermatocytes"
	Zetter, B.R., 1980, <i>Nature</i> , 285:41-43 "Migration of capillary endothelial cells is stimulated by tumour-derived factors"

23552

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